

Repeater Site Application

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Application/Site Number: FL-04-007
Submitted: 31-Aug-2004 @ 1140 hrs.
Submitted By: Paul Blystone, SER-FL-001
Region: SER
Wing: FL
Location (Site Name): Jacksonville
Current Site?: Yes, This is an existing site to be converted to Narrowband
Coverage Area: Duval, Clay, St Johns counties and portions of Nassau county
Service Radius: 30 (In Miles)
Requested Channel: Repeater Channel 1 (Input: xxx.xxxx Output: xxx.xxxxx)
Primary Tone: 114.8 hz.
Latitude: **Deg:** 30 **Min:** 20 **Sec:** 19 (North) **Deg:** (North)
Longitude: **Deg:** 81 **Min:** 43 **Sec:** 13 (West) **Deg:** (West)
Site Elevation: 29 (Feet ASL)
Antenna Elevation: 201 (Feet AGL)
Feedline Type: RG-8/213/214
Feedline Length: 70 (Rounded in Feet)
Antenna Type: Collinear
Antenna Gain: 7 (dBd)
Transmitter Power: 50 (In Watts at Transmitter)
Funding Source: DoD Funding

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Justification:

AF Identification: AF-926881
SFAF Identification: AETC2000-24207
Florida Wing ID: RP-2907

This repeater covers a heavily congested area of civil and military airports. Mayport Naval Air station (NRB), Whitehouse NOLF (NEN), Cecil Field (VQQ), Jacksonville NAS (NIP) as well as Jacksonville International (JAX), Craig (CRG), Herlong (HEG), Fernandina Beach (55J), and St Marys (4J6) in SE Georgia and about 6 outlying small airports.

The coverage area extends westward from the Atlantic Ocean to 82 degree west longitude line, southward to the 30 degree N latitude line and north 30.48N Latitude line which includes the St Marys (4J6) airport in SE Georgia.

There has been 37 AF assigned ELT missions in this coverage area this past year. There are 5 active CAP units in this area all with corporate radios. The crews and aircraft in this area have been called on for Harbor Patrol at Port of Jacksonville in support of Homeland Security.

The repeater covers all of Duval county and portions of St Johns, Nassau, and Clay counties. The population of the covered area is over one million people.

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Impact if Not Funded:

This is a very vital area of Florida with all the military facilities in the area as well as the shipping industries, and all of the volatile chemicals and fuel stored in the area. The lack of communications for command and control of our units working AF assigned missions in the area would be lacking.

